

ANTIBACTERIAL POWDER COATING COMPOSITION AND PRODUCTION THEREOF

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Abstract of JP8217998

PURPOSE: To obtain a powder coating composition having excellent antibacterial properties and almost free from discoloration of a coating material and film due to silver ions by blending a powdery thermosetting resin with an inorganic antibacterial agent carrying silver ions and a specified organic antibacterial agent. **CONSTITUTION:** This composition is obtained by blending a powdery thermosetting resin with an inorganic antibacterial agent carrying silver ions and a bis(pyridine-2-thiol-1-oxide)zinc salt. An example of a preferable powdery thermosetting resin is one composed mainly of at least one resin selected from epoxy, acrylic and polyester resins. A preferable process for producing this composition comprises immobilizing an inorganic antibacterial agent carrying silver ions and/or a bis(pyridine-2-thiol-1-oxide)zinc salt on the surface of powdery thermosetting resin particles by, for example, an impact blow means since the immobilized substances are firmly fixed by the process.

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